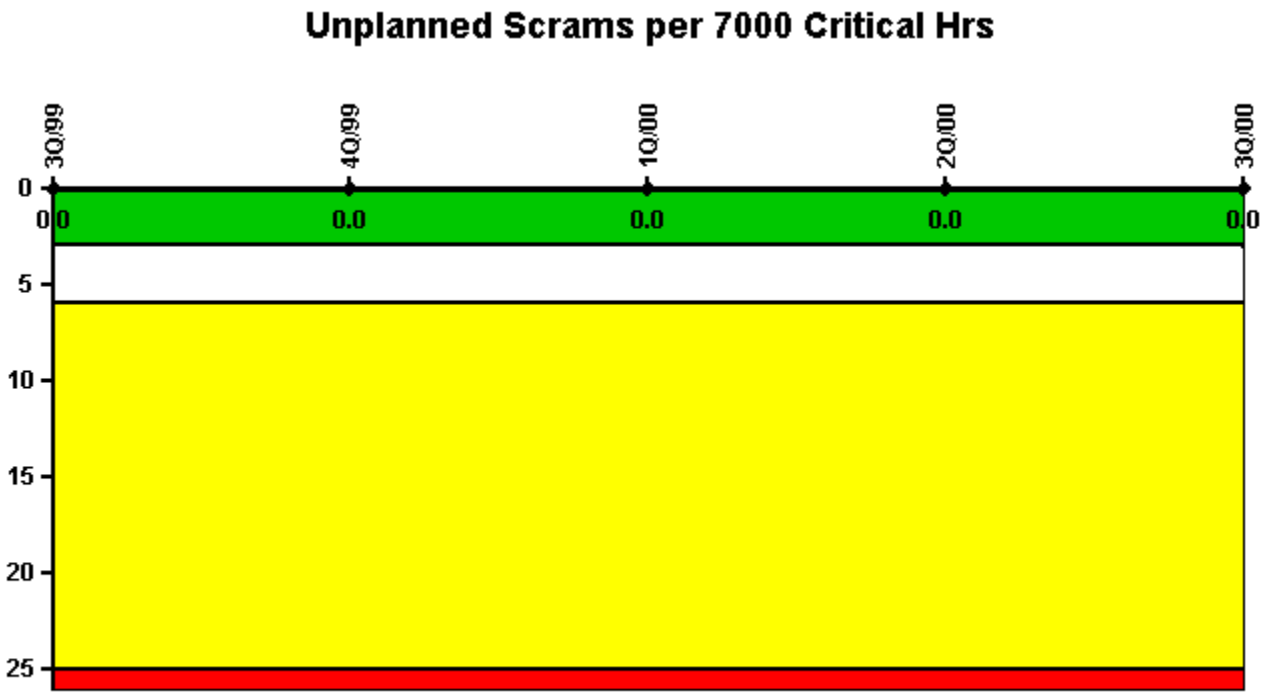
Watts Bar 1

3Q/2000 Performance Indicators

Licensee's General Comments: none



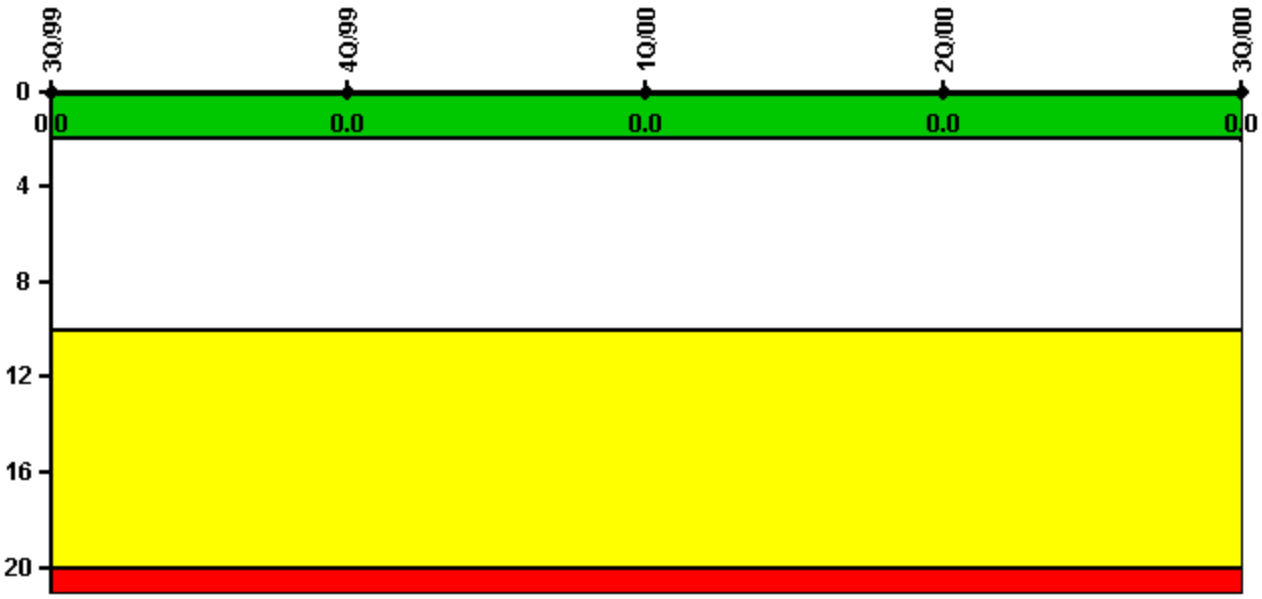
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	3Q/99	4Q/99	1Q/00	2Q/00	3Q/00
Unplanned scrams	0	0	0	0	0
Critical hours	2208.0	2209.0	2184.0	2183.0	1704.0
Indicator value	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Scrams with Loss of Normal Heat Removal



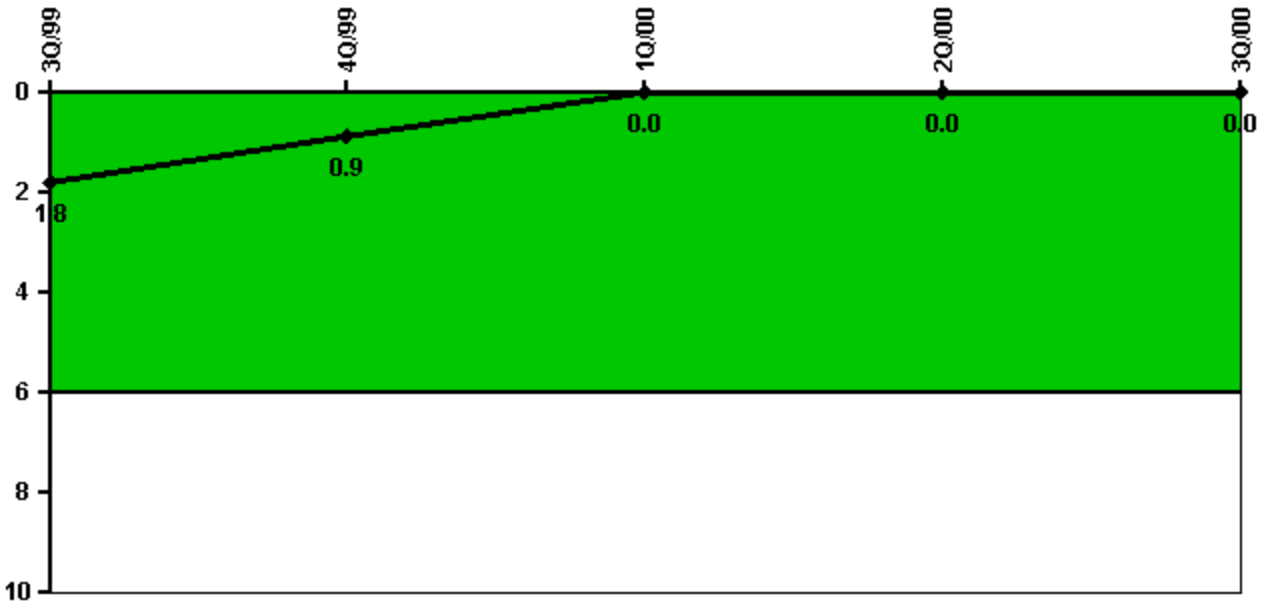
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	3Q/99	4Q/99	1Q/00	2Q/00	3Q/00
Scrams	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



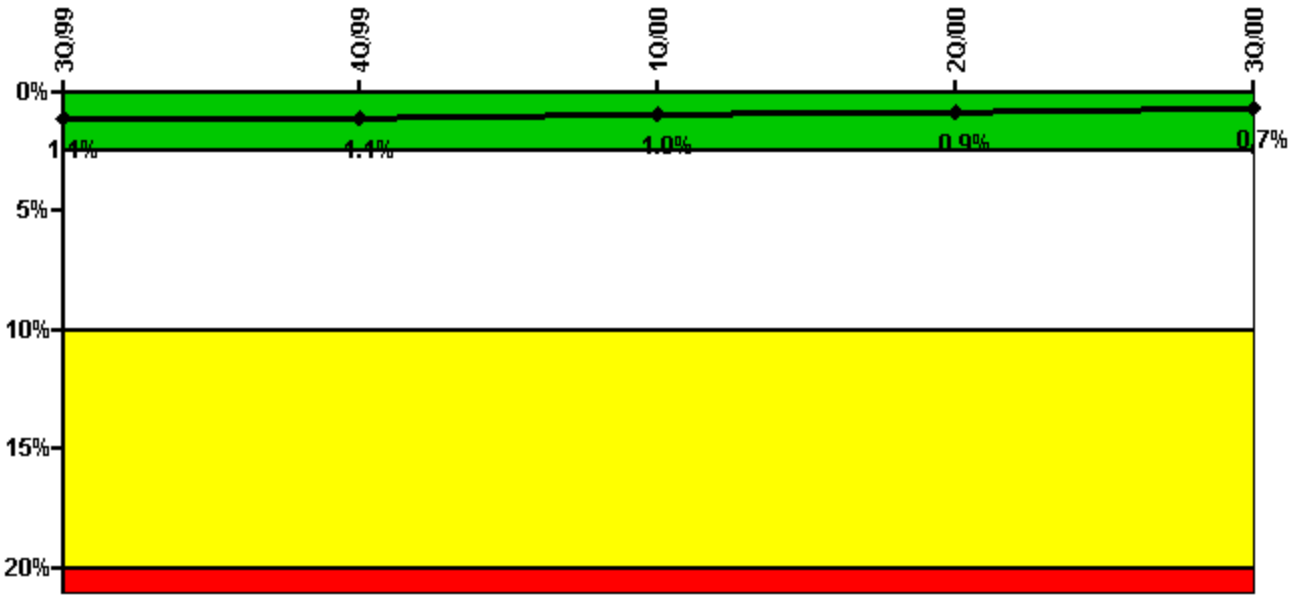
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/99	4Q/99	1Q/00	2Q/00	3Q/00
Unplanned power changes	0	0	0	0	0
Critical hours	2208.0	2209.0	2184.0	2183.0	1704.0
Indicator value	**1.8**	**0.9**	**0**	**0**	**0**

Licensee Comments: none

Safety System Unavailability, Emergency AC Power, >2EDG



Thresholds: White > 2.5% Yellow > 10.0% Red > 20.0%

Notes

Safety System Unavailability, Emergency AC Power, >2EDG	3Q/99	4Q/99	1Q/00	2Q/00	3Q/00
Train 1					
Planned unavailable hours	1.38	11.50	20.91	40.21	1.70
Unplanned unavailable hours	0	0	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2208.00	2209.00	2184.00	2183.00	2086.48
Train 2					
Planned unavailable hours	11.19	2.08	2.00	42.32	1.84
Unplanned unavailable hours	0	0	0	0	0
Fault exposure hours	0	0	0	25.08	0
Effective Reset hours	0	0	0	0	0
Required hours	2208.00	2209.00	2184.00	2183.00	1867.37
Train 3					
Planned unavailable hours	3.37	2.48	44.23	4.70	2.04
Unplanned unavailable hours	11.12	0	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2208.00	2209.00	2184.00	2183.00	2086.48
Train 4					
Planned unavailable hours	19.73	17.13	42.04	6.13	16.98
Unplanned unavailable hours	0	0	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2208.00	2209.00	2184.00	2183.00	1867.37
Indicator value	**1.1%**	**1.1%**	**1.0%**	**0.9%**	**0.7%**

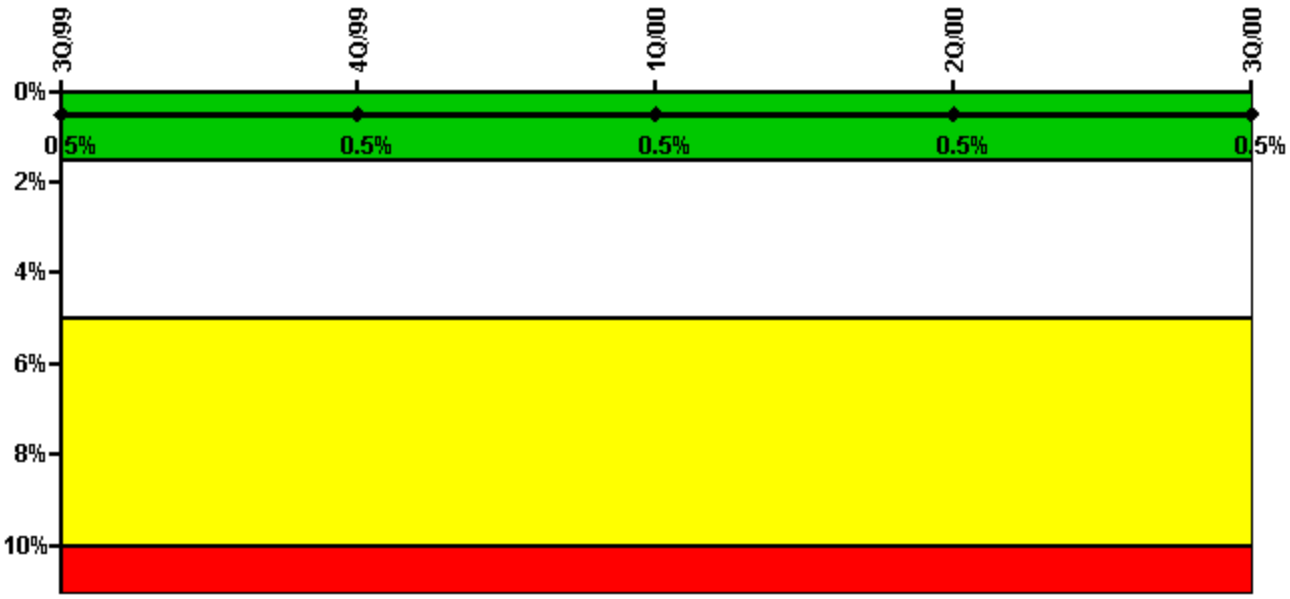
Licensee Comments:

3Q/00: CHANGE JUSTIFICATION FOR Q3 2000: Several changes were made to data for this quarter due to unavailability acquired during performances of the DG fuel oil pump quarterly tests and other minor calculation discrepancies that were previously not counted, these changes are as follows: Train 1 for July changed from .23 hours to .91 hours, train 2 for July changed from .45 hours to 1.1 hours, train 2 for August changed from .73 hours to .74 hours, train 3 for July changed from .28 hours to 1.06 hours, train 4 for August changed from 13.9 hours to 15.56 hours. Reference PER 01-07976-000. This change does not affect the color of the indicator.

2Q/00: 4/2000 - Train 1 and Train 2 had 38.58 and 42.45 hours of unavailability due to DG battery outage. These hours were not counted against NEI-99-02 availability criteria based on on-line planned overhaul maintenance exemption. (27-2). CHANGE JUSTIFICATION FOR Q2 2000:The number of hours of fault exposure reported for EDG train 2 in June has been changed from 0 to 25.08. It was discovered after the data submittal that fault exposured should have been reported due to inability of the DG 1B-B room exhaust fans to start. The fans wouldn't start after operations testing of the CO2 system the previous day. An interlock relay was verified by the procedure to be unlatched and reset. However, the relay was found the next day to be latched during the monthly diesel start and load testing. The latched relay which inhibited the start logic on the fans would not reset. After placing the fans bypass switch in bypass, the fans immediately started. These fault exposure hours were not reported previously due to a misinterpretation of the NEI 99-02 guidelines by the system engineer with respect to unavailability associated with what was originally considered to be a human performance error. Reference PER 00-012449-000. CHANGE JUSTIFICATION FOR Q2 2000: The number of hours for train 1 and train 2 in April changed from 0 to 38.51(train 1) & from 0 to 39.97(train 2) due to unavailability that was not counted previously based on an interpretation of the NEI 99-02 overhaul rule. Review of this data now supports that it should be counted for the type of maintenance performed. Several changes were made to data for this quarter due to unavailability acquired during performances of the DG fuel oil pump quarterly tests and other minor calculation discrepancies that were previously not counted, these changes are as follows: Train 2 for May changed from 1.35 hours to 1.45 hours, Train 3 for April changed from .22 hours to 3.55 hours, Train 4 for April changed from 3.15 to 3.48, Train 4 for May changed from .95 to 2.37 and Train 4 for June changed from .29 hours to .28 hours. Reference PER 01-07976-000. This change does not affect the color of the indicator.

2Q/00: 4/2000 - Train 1 and Train 2 had 38.58 and 42.45 hours of unavailability due to DG battery outage. These hours were not counted against NEI-99-02 availability criteria based on on-line planned overhaul maintenance exemption. (27-2). CHANGE JUSTIFICATION FOR Q2 2000:The number of hours of fault exposure reported for EDG train 2 in June has been changed from 0 to 25.08. It was discovered after the data submittal that fault exposured should have been reported due to inability of the DG 1B-B room exhaust fans to start. The fans wouldn't start after operations testing of the CO2 system the previous day. An interlock relay was verified by the procedure to be unlatched and reset. However, the relay was found the next day to be latched during the monthly diesel start and load testing. The latched relay which inhibited the start logic on the fans would not reset. After placing the fans bypass switch in bypass, the fans immediately started. These fault exposure hours were not reported previously due to a misinterpretation of the NEI 99-02 guidelines by the system engineer with respect to unavailability associated with what was originally considered to be a human performance error. Reference PER 00-012449-000.

Safety System Unavailability, High Pressure Injection System (HPSI)



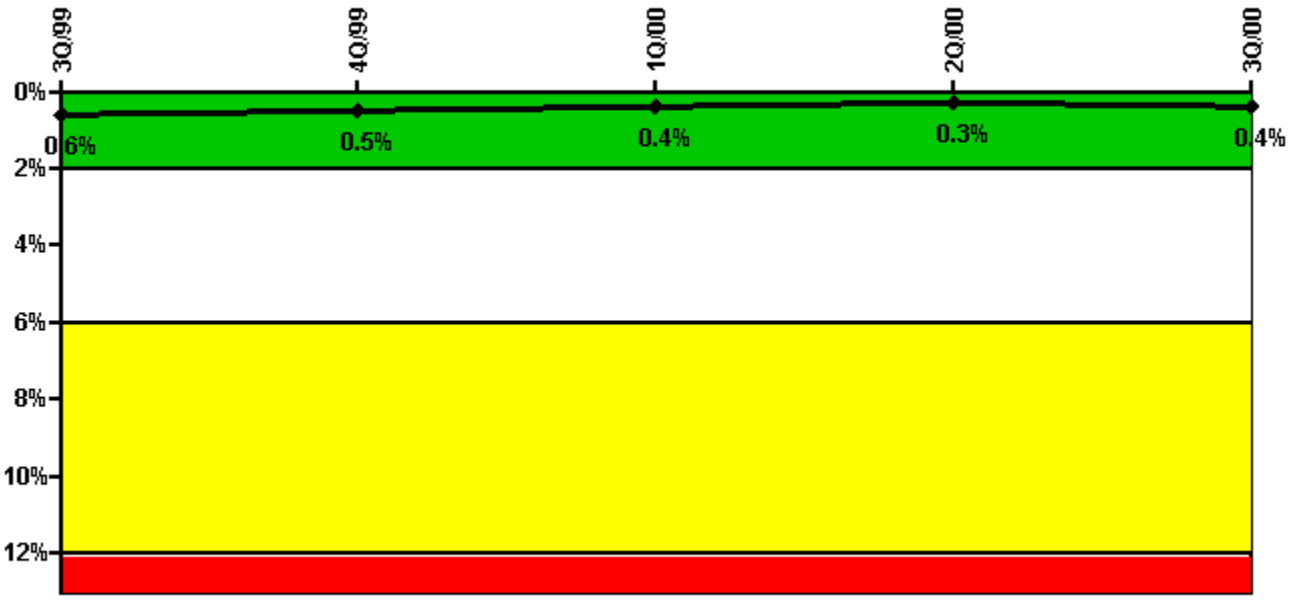
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, High Pressure Injection System (HPSI)	3Q/99	4Q/99	1Q/00	2Q/00	3Q/00
Train 1					
Planned unavailable hours	0.20	6.50	27.90	6.90	7.90
Unplanned unavailable hours	0	0	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2208.00	2209.00	2184.00	2183.00	1715.10
Train 2					
Planned unavailable hours	10.00	0	0	10.30	0
Unplanned unavailable hours	0	0	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2208.00	2209.00	2184.00	2183.00	1711.10
Train 3					
Planned unavailable hours	28.50	16.00	1.00	23.50	0.50
Unplanned unavailable hours	0	0	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2208.00	2209.00	2184.00	2183.00	1711.10
Train 4					
Planned unavailable hours	1.00	28.20	0.50	39.70	0.60
Unplanned unavailable hours	0	0	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2208.00	2209.00	2184.00	2183.00	1711.10
Indicator value	**0.5%**	**0.5%**	**0.5%**	**0.5%**	**0.5%**

Licensee Comments: none

Safety System Unavailability, Heat Removal System (AFW)



Thresholds: White > 2.0% Yellow > 6.0% Red > 12.0%

Notes

Safety System Unavailability, Heat Removal System (AFW)	3Q/99	4Q/99	1Q/00	2Q/00	3Q/00
Train 1					
Planned unavailable hours	5.90	0.30	0.10	30.50	0
Unplanned unavailable hours	0	0	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2208.00	2209.00	2184.00	2183.00	1714.10
Train 2					
Planned unavailable hours	0	1.10	24.80	0	25.70
Unplanned unavailable hours	1.50	0	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2208.00	2209.00	2184.00	2183.00	1714.10
Train 3					
Planned unavailable hours	1.00	1.10	2.10	2.70	18.50
Unplanned unavailable hours	1.40	0	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2208.00	2209.00	2184.00	2183.00	1711.10
Indicator value	**0.6%**	**0.5%**	**0.4%**	**0.3%**	**0.4%**

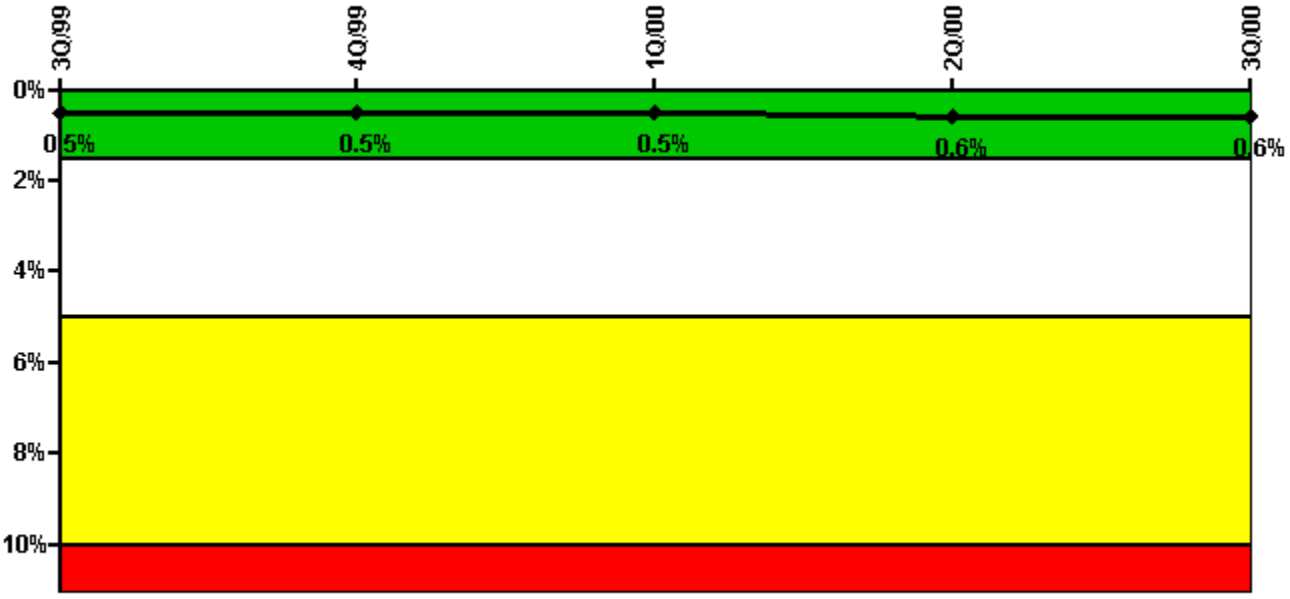
Licensee Comments:

3Q/00: An additional 18.4 hours of unavailability was added to AFW train 2 (versus train 1) for July 2000 due to the emergency water source (ERCW) being unavailable. This change does not affect the color of the indicator.

3Q/00: An additional 18.4 hours of unavailability was added to AFW train 1 for July 2000 due to the emergency water source(ERCW) being unavailable. This change does not affect the color of the indicator.

2Q/00: An additional 19.2 hours of unavailability was added to AFW train 1 for June 2000 due to the emergency water source(ERCW) being unavailable. This change does not affect the color of the indicator.

Safety System Unavailability, Residual Heat Removal System

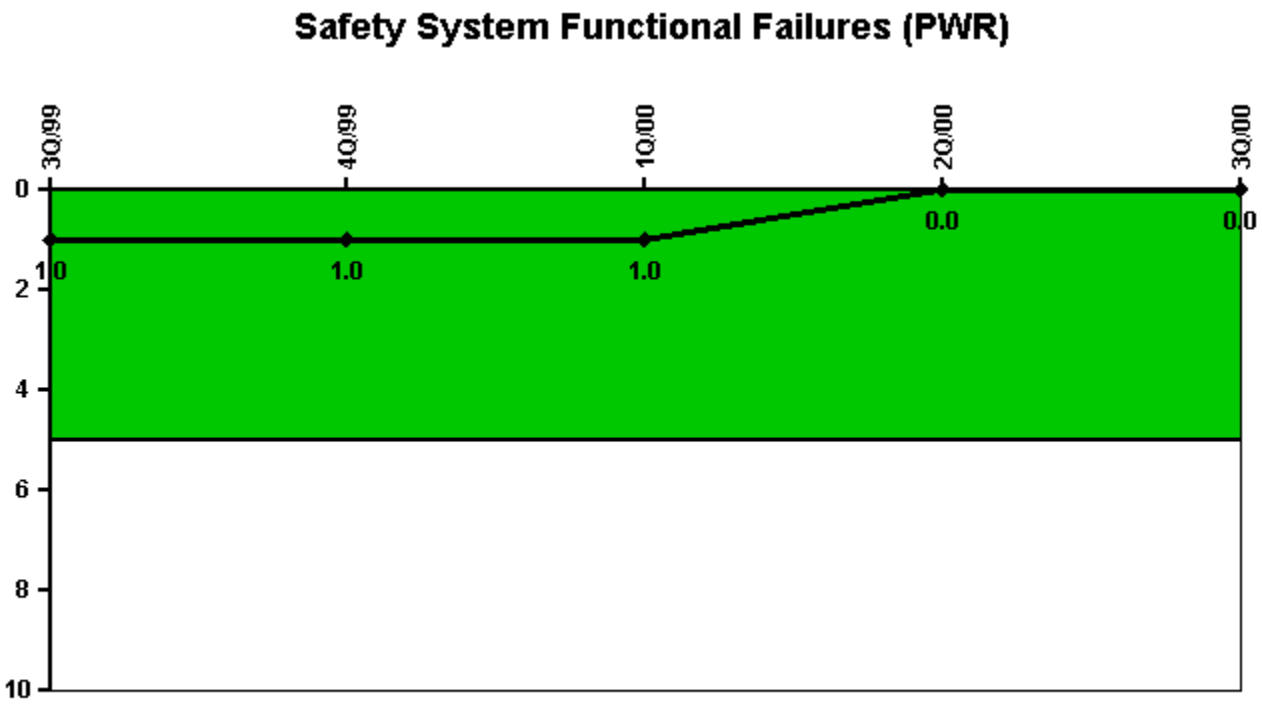


Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Residual Heat Removal System	3Q/99	4Q/99	1Q/00	2Q/00	3Q/00
Train 1					
Planned unavailable hours	1.00	1.90	1.70	41.00	1.60
Unplanned unavailable hours	0	0	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2208.00	2209.00	2184.00	2183.00	2144.10
Train 2					
Planned unavailable hours	13.60	10.10	1.40	47.70	1.50
Unplanned unavailable hours	0	0	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2208.00	2209.00	2184.00	2183.00	2144.10
Indicator value	**0.5%**	**0.5%**	**0.5%**	**0.6%**	**0.6%**

Licensee Comments: none



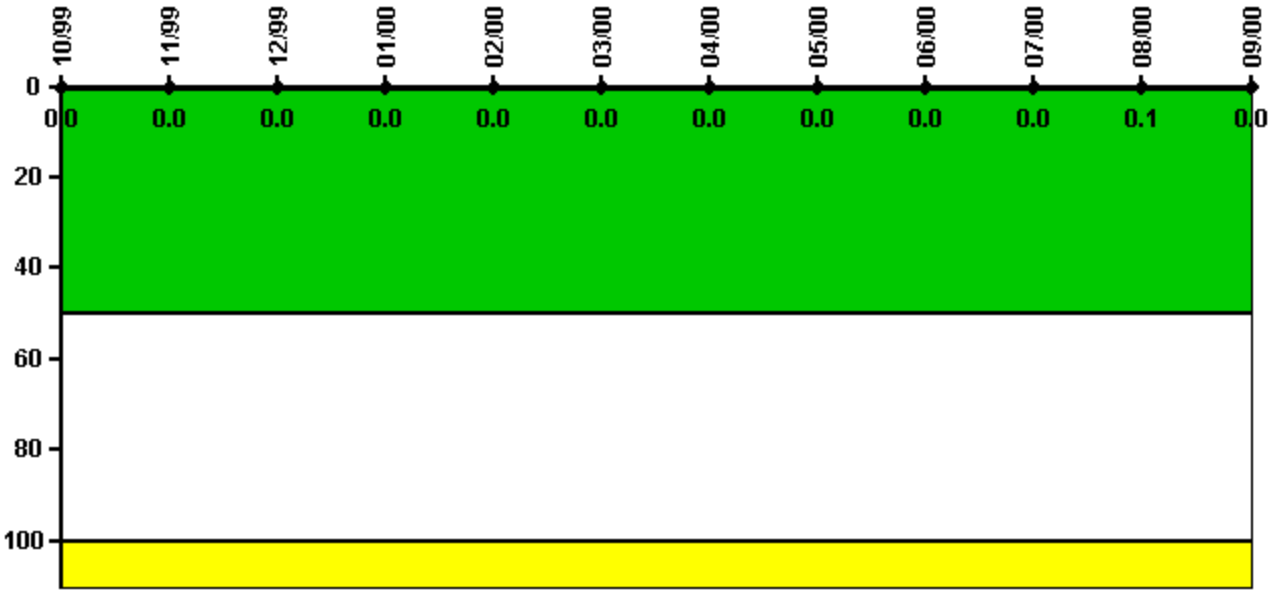
Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	3Q/99	4Q/99	1Q/00	2Q/00	3Q/00
Safety System Functional Failures	0	0	0	0	0
Indicator value	**1**	**1**	**1**	**0**	**0**

Licensee Comments: none

Reactor Coolant System Activity



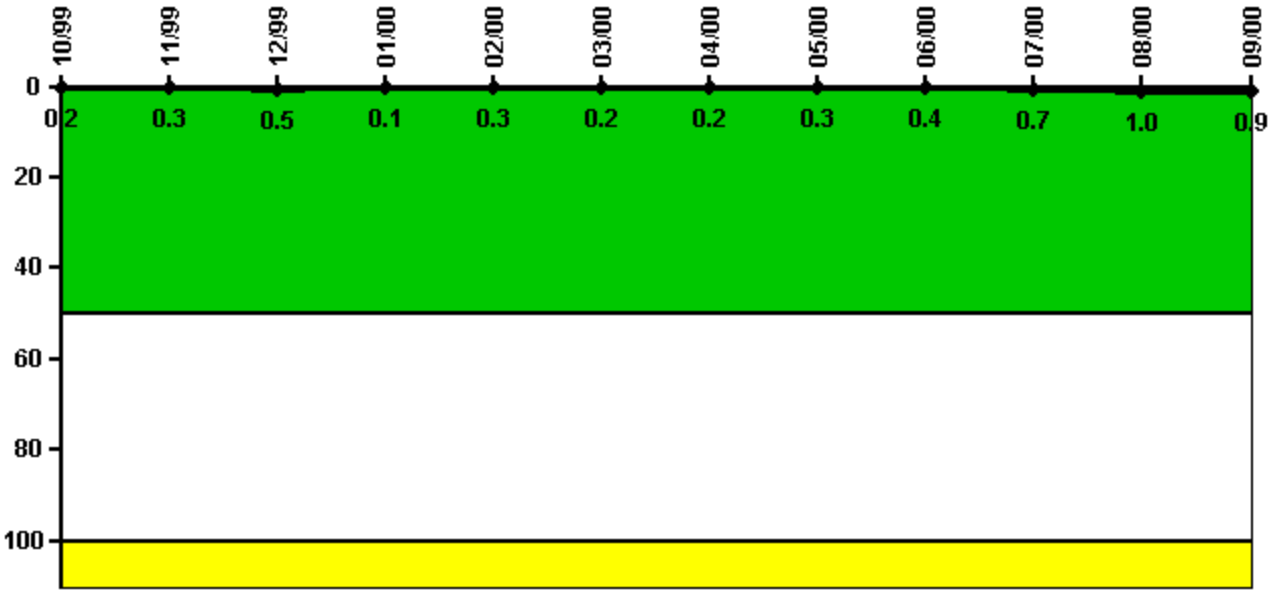
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	10/99	11/99	12/99	1/00	2/00	3/00	4/00	5/00	6/00	7/00	8/00	9/00
Maximum activity	0.000280	0.000336	0.000290	0.000320	0.000300	0.000300	0.000325	0.000310	0.000330	0.000490	0.000564	0.000270
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0.1**	**0**

Licensee Comments: none

Reactor Coolant System Leakage



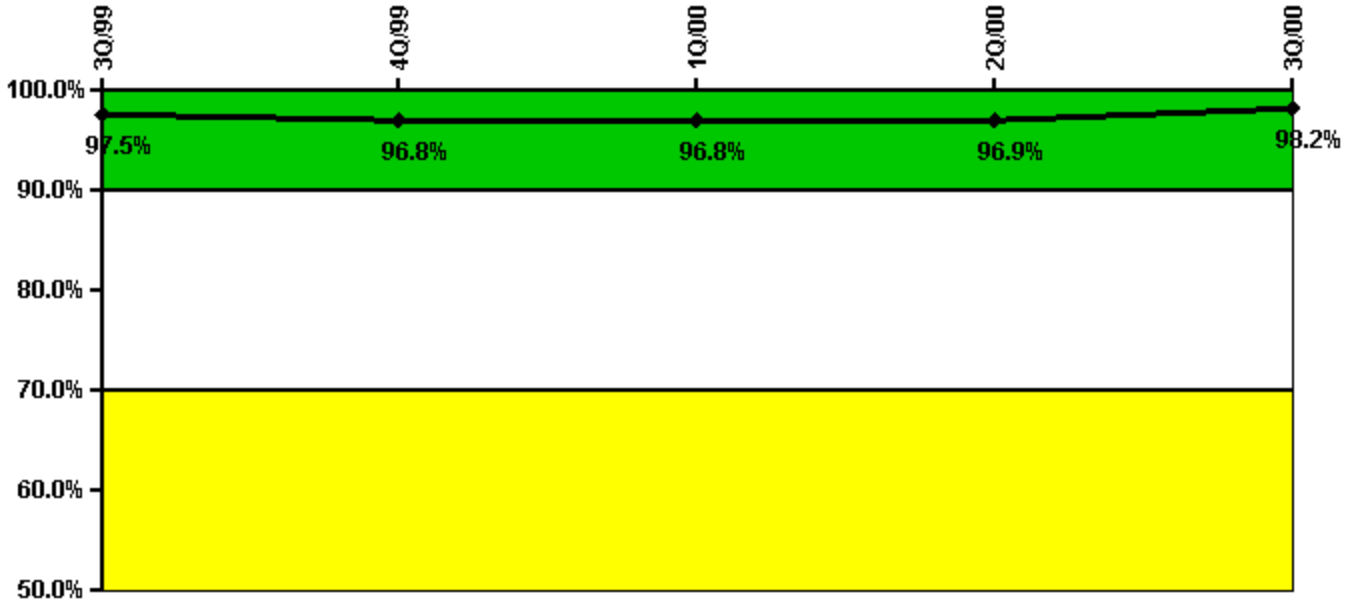
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	10/99	11/99	12/99	1/00	2/00	3/00	4/00	5/00	6/00	7/00	8/00	9/00
Maximum leakage	0.020	0.030	0.050	0.010	0.030	0.020	0.020	0.030	0.040	0.070	0.100	0.090
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0.2**	**0.3**	**0.5**	**0.1**	**0.3**	**0.2**	**0.2**	**0.3**	**0.4**	**0.7**	**1.0**	**0.9**

Licensee Comments: none

Drill/Exercise Performance

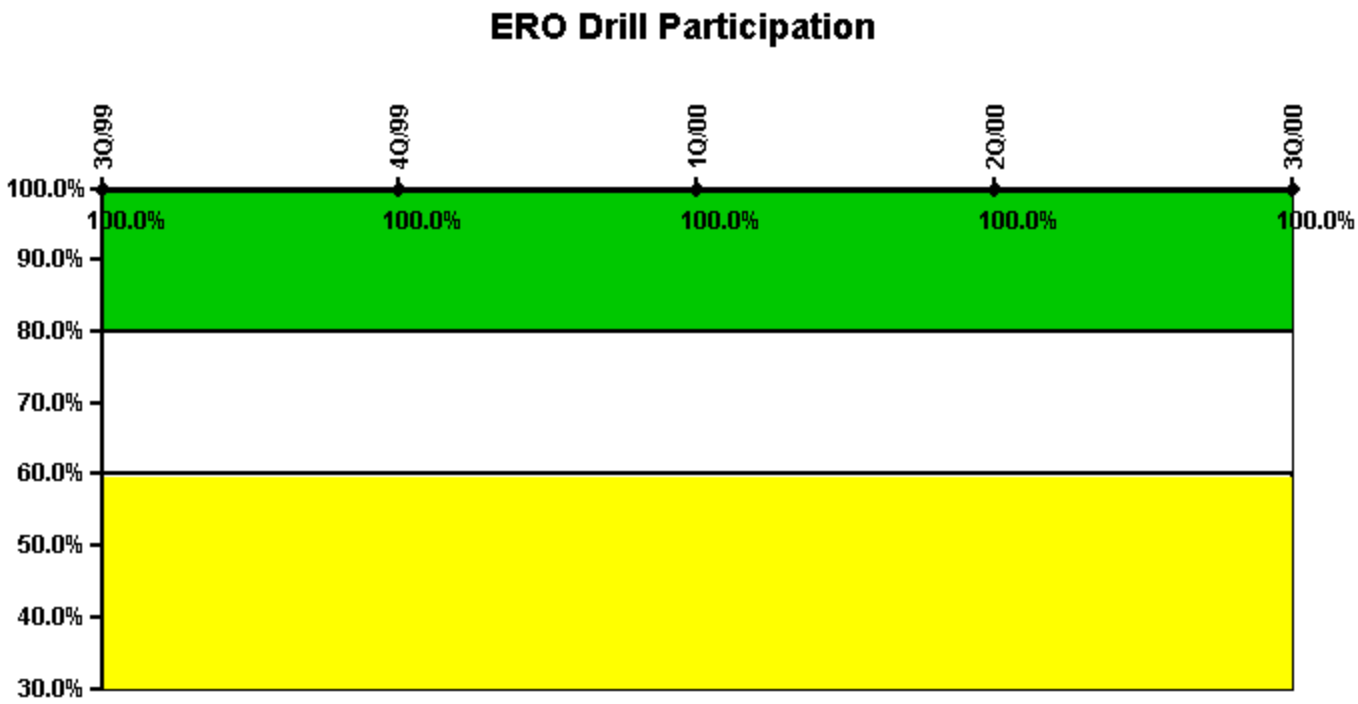


Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	3Q/99	4Q/99	1Q/00	2Q/00	3Q/00
Successful opportunities	43.0	26.0	0	6.0	24.0
Total opportunities	43.0	28.0	0	6.0	24.0
Indicator value	**97.5%**	**96.8%**	**96.8%**	**96.9%**	**98.2%**

Licensee Comments: none



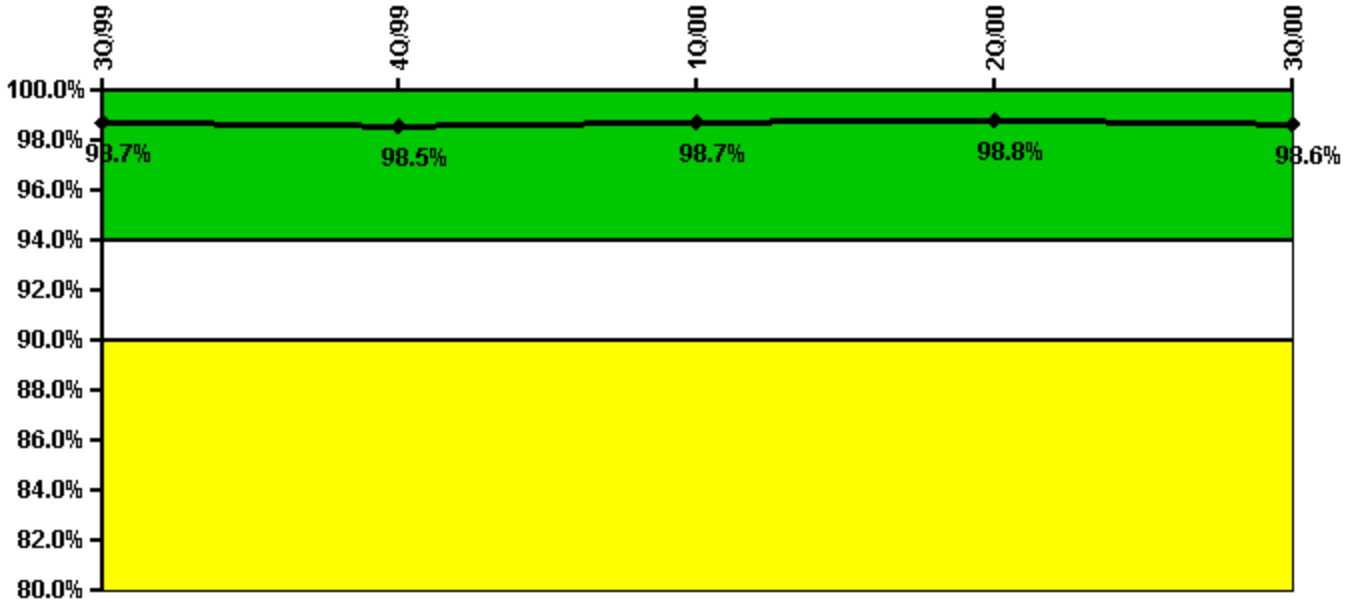
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	3Q/99	4Q/99	1Q/00	2Q/00	3Q/00
Participating Key personnel	65.0	50.0	49.0	48.0	48.0
Total Key personnel	65.0	50.0	49.0	48.0	48.0
Indicator value	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments: none

Alert & Notification System



Thresholds: White < 94.0% Yellow < 90.0%

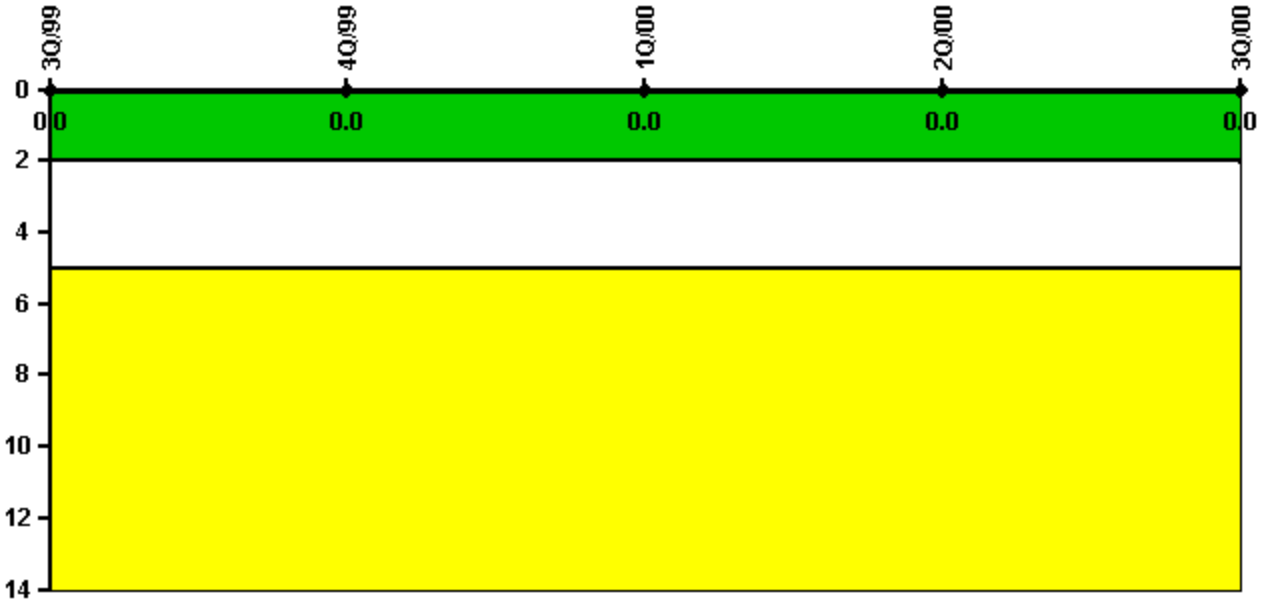
Notes

Alert & Notification System	3Q/99	4Q/99	1Q/00	2Q/00	3Q/00
Successful siren-tests	982	681	881	880	779
Total sirens-tests	990	693	891	891	792
Indicator value	**98.7%**	**98.5%**	**98.7%**	**98.8%**	**98.6%**

Licensee Comments:

2Q/00: 2Q 2000: Changed the number of successful test from 884 to 880 which changed the reported percentage from 98.9% to 98.8%. The number of successful ANS siren tests reported for the month of June was incorrect. The inaccuracy in the data reported was attributed to inaccurate verbal communications of the PNS test data. Reference PER 00-011118-000.

Occupational Exposure Control Effectiveness



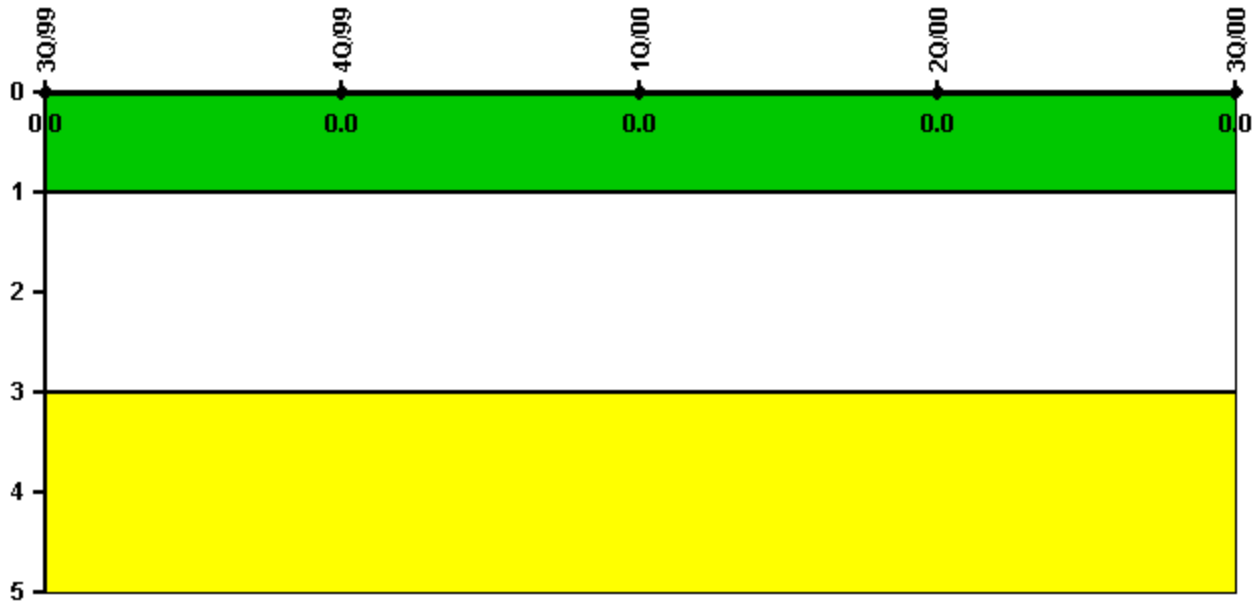
Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	3Q/99	4Q/99	1Q/00	2Q/00	3Q/00
High radiation area occurrences	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

RETS/ODCM Radiological Effluent



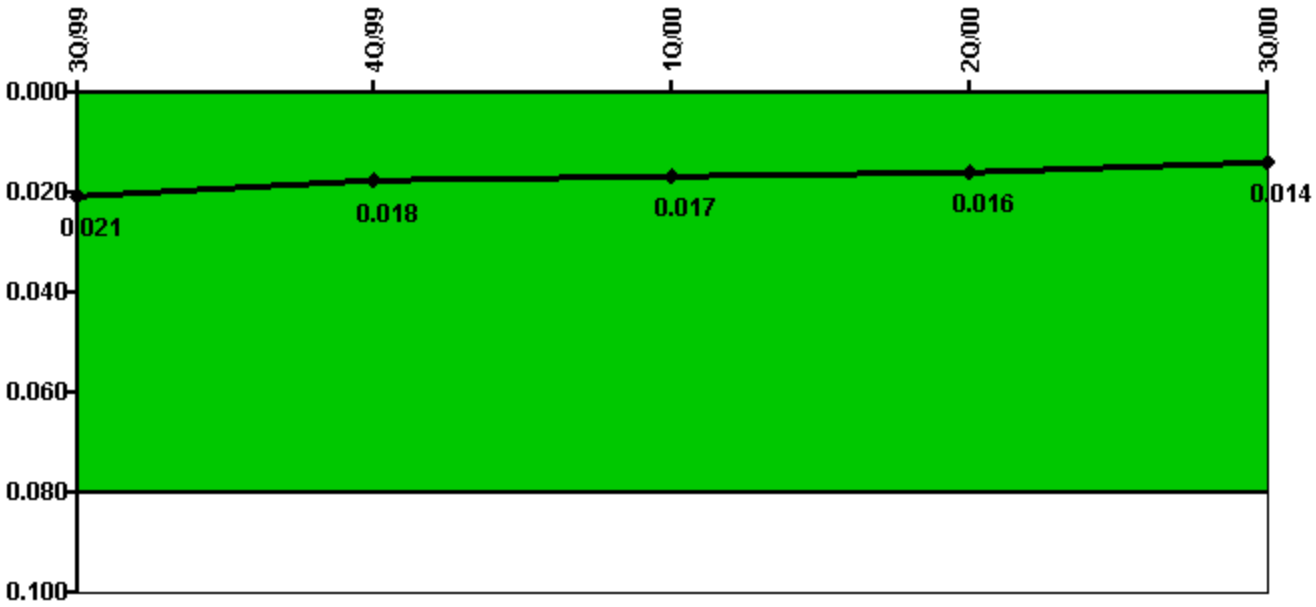
Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	3Q/99	4Q/99	1Q/00	2Q/00	3Q/00
RETS/ODCM occurrences	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Protected Area Security Performance Index



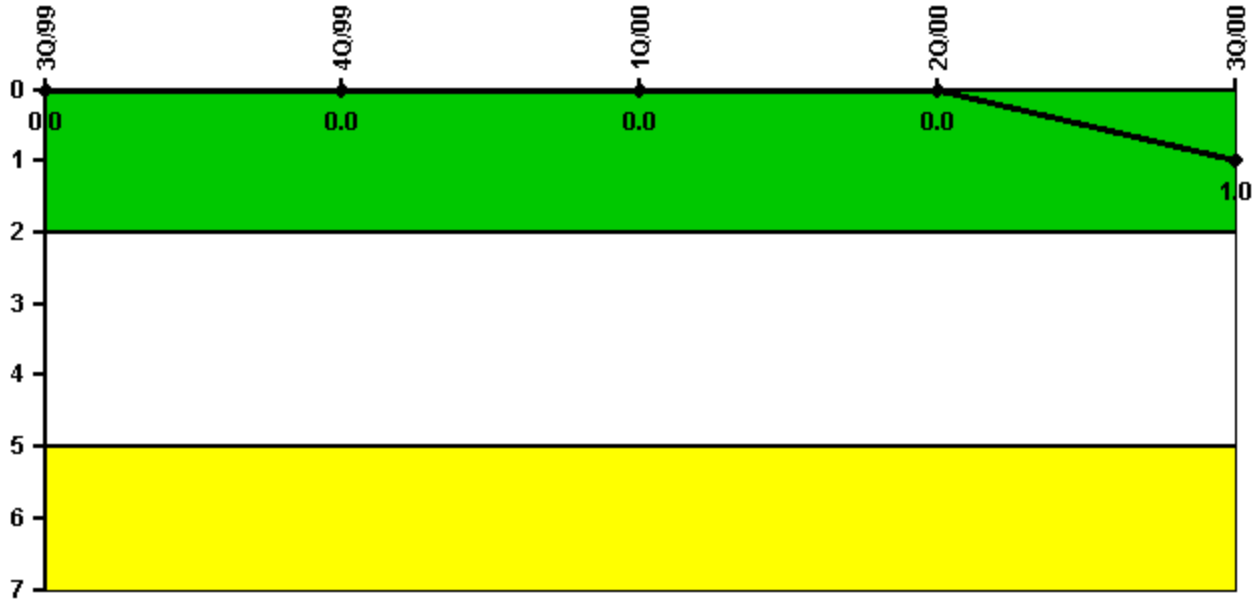
Thresholds: White > 0.080

Notes

Protected Area Security Performance Index	3Q/99	4Q/99	1Q/00	2Q/00	3Q/00
IDS compensatory hours	191.00	274.40	100.70	93.10	77.80
CCTV compensatory hours	0	0	1.8	4.5	24.9
IDS normalization factor	2.40	2.40	2.40	2.40	2.40
CCTV normalization factor	2.1	2.1	2.1	2.1	2.1
Index Value	**0.021**	**0.018**	**0.017**	**0.016**	**0.014**

Licensee Comments: none

Personnel Screening Program



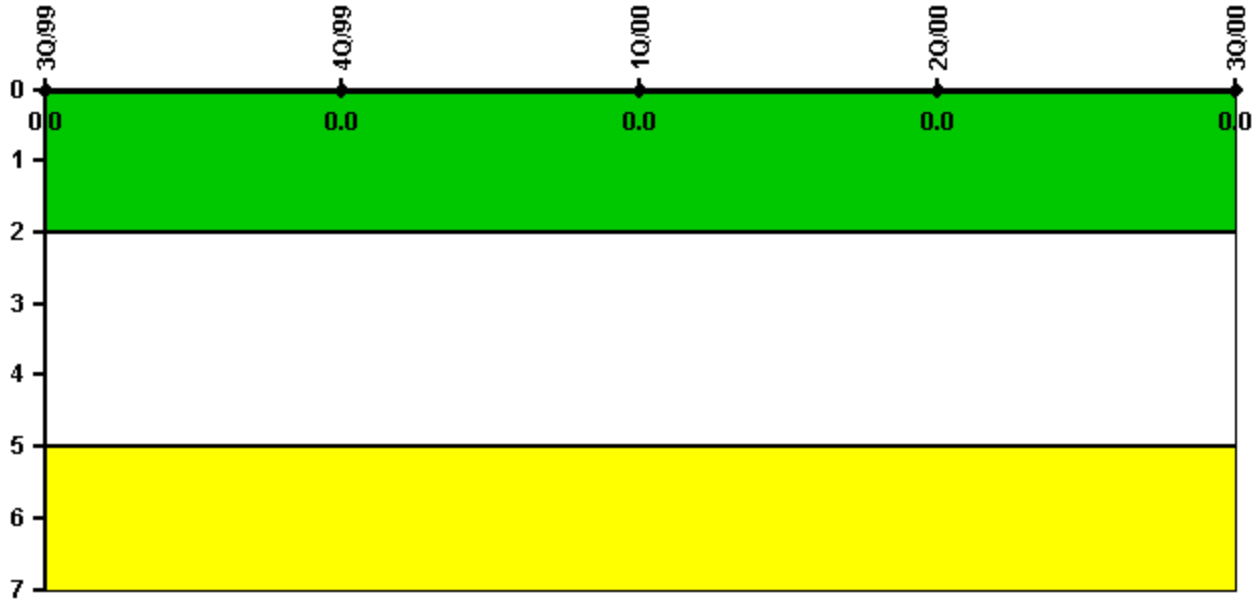
Thresholds: White > 2.0 Yellow > 5.0

Notes

Personnel Screening Program	3Q/99	4Q/99	1Q/00	2Q/00	3Q/00
Program failures	0	0	0	0	1
Indicator value	**0**	**0**	**0**	**0**	**1**

Licensee Comments: none

FFD/Personnel Reliability



Thresholds: White > 2.0 Yellow > 5.0

Notes

FFD/Personnel Reliability	3Q/99	4Q/99	1Q/00	2Q/00	3Q/00
Program Failures	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

PI Summary | Inspection Findings Summary | Reactor Oversight Process

Last Modified: March 29, 2002